

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

SUPPLEMENTARY EXAMINATION

TRIMESTER 1, 2015/2016

DCS5288 – INTERNET AND WEB PUBLISHING

(DIT & DBIS Students Only)

19 NOV 2015
2.30 PM – 4.30 PM
(2 HOURS)

INSTRUCTIONS TO STUDENT:

1. This booklet consists of **Eight (8)** pages excluding the cover page. There are **TWO (2)** sections in this booklet.
2. **SECTION A:** There are **TWENTY (20)** Multiple Choice Questions (MCQ) (20 marks). Answer **ALL** questions on the OMR sheet provided.
3. **SECTION B:** There are **FOUR (4)** structured questions (60 marks). Answer **ALL** questions in the answer booklet provided.

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQ) (20 Marks)

Instruction: Answer all the questions in this section and shade your answers on the OMR sheet provided.

1. What is a web browser?
 - A. A program that can display a web page.
 - B. It allows users to access information on the Internet.
 - C. A program that is used to view HTML documents.
 - D. All of the above.
2. Computers understand IP addresses as _____ numbers.
 - A. decimal
 - B. binary
 - C. octal
 - D. hexadecimal
3. _____ is saving your favorite website to a social bookmarking site so that you can share it with others.
 - A. Sampling
 - B. Phishing
 - C. Spamming
 - D. Tagging
4. To join the Internet, the computer has to be connected to a(n) _____.
 - A. internet service provider
 - B. internet committee
 - C. internet framework
 - D. None of the above
5. The <legend> tag defines a caption for a _____.
 - A. figure
 - B. image
 - C. table
 - D. fieldset
6. The tag's _____ attribute describes an image via a pop-up tool tip.
 - A. name
 - B. title
 - C. src
 - D. alt
7. The <strike> tag is not supported in HTML5, instead the _____ tag can be used.
 - A.
 - B. <cancel>
 - C. <change>
 - D. <stop>

Continued.....

8. To preserve the look, spaces and line breaks of a text, the _____ tag can be used.
- A. <fix>
 - B. <set>
 - C. <pre>
 - D. <preserve>
9. The CSS _____ property can be used to specify the amount of space between a table border and its content.
- A. spacing
 - B. border-spacing
 - C. table-spacing
 - D. padding
10. The style rule `p, h3 {color:red }` states the content of _____ will appear in red colour.
- A. the <p h3> element
 - B. both <p> and <h3> elements
 - C. any <h3> in a paragraph
 - D. the first <h3> in a paragraph
11. In CSS, the _____ can be used to center an element within its container.
- A. align:middle;
 - B. set:center;
 - C. align:center;
 - D. margin:auto;
12. The transitions property in CSS is used to _____.
- A. create a block of content with rounded corners
 - B. set the shadow of a box
 - C. change property values smoothly from one value to another, over a given duration
 - D. create a hovering effect on hyperlinks
13. Given the syntax `<p id="set">Set a value</p>`, what will be the correct way to change the content of that element in JavaScript?
- A. `document.getElementById("set").innerHTML = "The value is 10";`
 - B. `document.write("set") = "The value is 10";`
 - C. `document.getElement("set").innerHTML = "The value is 10";`
 - D. `document.getElementByName("set").innerHTML = "The value is 10";`
14. Display an alert "*Time's Up*" after 2 seconds in JavaScript.
- A. `Timeout("Time's Up", 2);`
 - B. `setTimeout("alert('Time's Up');", 2000);`
 - C. `alert("Time's Up", 2);`
 - D. `setTimeout("Time's Up", 2000);`

Continued.....

15. In JavaScript, the `history.back()` method can be used to _____.
A. load the previous URL in the history list
B. load a previously deleted variable
C. display the homepage of a website
D. display the next URL in the history list
16. Given the array, `var myarray = [34, 102, 2, 34, 67, 78];`, which of the following will access the value of 34?
A. `myarray[]`
B. `myarray[34]`
C. `myarray[3]`
D. `myarray[4]`
17. In PHP, what does `$_SERVER['PHP_SELF']` do?
A. it sends a variable to the server.
B. it sends the submitted form data to the page itself.
C. it displays a variable from the server onto the PHP page.
D. The statement is invalid.
18. When there is a need to perform a query against a database, which of the following can be used in PHP?
A. `query_connect();`
B. `mysqli_database();`
C. `query();`
D. `mysqli_query();`
19. The session variable *loggedin* can be ended in PHP by writing:
A. `unset($_SESSION['loggedin']);`
B. `destroy("loggedin");`
C. `session_end("loggedin");`
D. `destroy($_SESSION["loggedin"]);`
20. What will happen when the following code is executed?
`Calculate`
A. The variables `qty` and `price` will be displayed on the browser.
B. The `qty` and `price` values will be sent to the database.
C. Variables `qty` and `price` with their values will be sent to the `calculate.php` page.
D. This statement has errors.

Continued.....

SECTION B: STRUCTURED QUESTIONS (60 Marks)

Instruction: Answer all the questions in this section and write your answers in the answer booklet provided.

QUESTION 1 – HTML (15 Marks)

(a) Write the HTML codes to display the output based on the given descriptions.

[8 marks]



Display an image logo.png that has a caption "Figure 1 – MMU new logo". Set the height and width of the image to 140px.

ii. This test is very easy.

Write a paragraph and highlight "very easy".

iii. Like :
Dislike :

Create a bar that has a minimum value of 0 and a maximum value of 100. Set each of it to 75 and 25.

iv.

Create a display that will show the hidden content when the arrow is clicked.

▼ Click to see the hidden text.

This content is hidden.

(b) Write the HTML codes to display the list shown below.

[7 marks]

ASTRO Channels

Heading level 2

- Movies
 - iii. HBO
 - ii. STAR Movies
 - i. MAX
- Mini Packages
 - News
 - 10. CNN
 - 11. BBC World
 - 12. CNBC Asia
 - Fun
 - a. Disney Channel
 - With HD
 - b. Cartoon Network
- Box Office

Continued.....

QUESTION 2 -- CSS (15 Marks)

- (a) Write the Internal CSS codes for the following mobile web page layout. The HTML codes are given as your guide. [10 marks]

```

<div id="logo" class="borders">
</div>
<div id="menu" class="borders">
</div>
<div id="social-buttons"
class="borders">
</div>
<div id="content"
class="borders">
</div>
<div id="news" class="borders">
</div>
<div id="news" class="borders">
</div>
<div id="news" class="borders">
</div>
<div id="news" class="borders">
</div>
<div id="footer" class="borders">
</div>

```

Guides

- All the borders are 2px in width with a solid blue line.
- There are spacing of 5px between the boxes.
- The logo box:
 - The width is 400px and the height is 50px.
- The menu box:
 - The width is 227px and the height is 20px. The corners are rounded by 10px.
 - All the hyperlinks in this box is italics and once visited/clicked, the colour changes to silver.
- The social-buttons box:
 - The width is 167px and the height is 20px. The corners are also rounded by 10px.
- The content box:
 - The width is 400px and the height is 200px.
 - All level 2 headings will be maroon in colour with a yellow background. It will also be underlined.
- The news boxes:
 - The width is 130px and the height is 50px.
- The footer box:
 - The width is 400px and the height is 30px.

Continued.....

(b) Write the External CSS codes based on the following descriptions. [5 marks]

Name :

Password :

Guides

- All the input elements will have a silver background colour.
- When the mouse goes over the input elements, there will be a red shadow around the element that stretches for 15px.
- Once a text is typed, the background colour of the input element changes to white with a red text colour.

Continued.....

QUESTION 3 – JavaScript (15 Marks)

(a) Given the form codes shown below, write the JavaScript *validation()* function codes based on the descriptions. [8 marks]

- The name must be letters only and must not be null. Otherwise show an alert *"Please enter your Name"* and place the cursor at that element.
- The age must be only numbers and must not be null. Otherwise show an alert *"Please enter your Age"* and place the cursor at that element..
- A colour must be chosen or else an alert *"Please choose a Colour"* will be displayed and place the cursor at that element..
- If all data are entered, an alert *"Data are recorded"* will be displayed.

```
<form name="myForm">

  <br>Name : <input type="text" name="Name" />
  <br>Age : <input type="text" name="Age" />
  <br>Colour :
    <select name="Colour">
      <option value="-1" selected>[Choose a colour]</option>
      <option value="1">Red</option>
      <option value="2">Blue</option>
      <option value="3">Green</option>
    </select>
  <br><input type="button" value="Send Now" onclick="validate();" />

</form>
```

(b) Create an array called *image* which has 3 image file names. Use the *setTimeout()* function in JavaScript to create a simple image slider that will slide the images every 1 second. The HTML codes is given as shown below. [7 marks]

```
<body>
  
</body>
```

Continued.....

QUESTION 4 – PHP & MySQL (15 Marks)

The figure below shows the tables from MySQL.

admin table		message table	
ad_id	Autoincrement (primary key)	mess_id	Autoincrement (primary key)
ad_name	Varchar(100)	mess_date	Varchar(100)
ad_username	Varchar(20)	mess_content	Varchar(20)
ad_password	Varchar(20)	ad_id	Foreign key

- (a) Write the PHP login codes so that the administrator of a company can log in into the company's website. If the username and password entered are wrong, display an alert "*Wrong Username or Password*". Otherwise proceed to the *view_message.php* page. The login form is given below. [8 marks]

```
<form name = "logfrm" method = "post" action="">

    <p>Username : <input type="text" name="admin_uname" size="20"></p>
    <p>Password : <input type="text" name="admin_pword" size="20"></p>

    <p><input type="submit" value="Login" name="logbtn"></p>

</form>
```

- (b) Based on question (a), write the PHP codes for the *view_message.php* page that will display the messages for individual administrator who logged in. If no records are found for the respective administrator, display on the browser "*No records found*". [7 marks]

End of Page.